

PENDING CLAIMS

In the Claims

1. (Amended) A system for providing Internet-related services in response to a handheld device without requiring the handheld device to itself be Internet-enabled, comprising:

a client module embedded in the handheld device to enable the handheld device to send a selected stored Universal Resource Locator (URL) via a local communication link, wherein the URL indicates a desired Internet web page;

a receiver that receives the URL sent from the handheld device via the local communication link;

a web access module coupled to the receiver and to an external Internet via an Internet communication link different from said local communication link to access and retrieve the desired web page from a remote web server via the external Internet; and

a render system coupled to the web access module to render the retrieved web page to the user of the handheld device.

2. (Unchanged) The system of claim 1, wherein the handheld device fits into a user's palm.

3. (Amended) The system of claim 1, further comprising a memory coupled with the handheld device to store at least one URL, wherein the URL sent is selected from the at least one URL.

4. (Amended) The system of claim 1, further comprising a communication module in the handheld device that receives the URL from a remote site via a second communication link coupled to the communication module.

5. (Amended) The system of claim 4, wherein the second communication link is a link to a wireless network.

6. (Amended) The system of claim 1, wherein the handheld device is selected from a group of devices consisting of: a pager device, a cellular phone device, a personal organizer device, a watch device, a palm pilot device, and an information appliance device.

1 7. (Amended) The system of claim 1, wherein the receiver, the web access module, and
2 the render system all physically reside within a single enclosure separate from the handheld
3 device.

4
5 8. (Unchanged) The system of claim 1, wherein the communication link is a wireless
6 communication link.

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8 9. (Amended) The system of claim 8, wherein the wireless communication link is
9 selected from a group of communication links consisting of: an infra-red communication link,
10 a radio frequency communication link, a microwave communication link, a laser
11 communication link, and combinations thereof.

12
13 10. (Amended) The system of claim 1, wherein the web access module communicates
14 with the remote web server via the Internet communication link using an open standard
15 communication protocol.

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17 11. (Unchanged) The system of claim 10, wherein the open standard communication
18 protocol is a Hyper Text Transport Protocol (HTTP).

19
20 12. (Amended) The system of claim 1, wherein the render system further comprises at
21 least one render system selected from a group of systems consisting of: a printer system, a
22 display system, a projection display system, a user interface display system, an audio/video
23 player system, a Web television system, and a combination thereof.

24
25 13. (Amended) A system for providing an Internet-related service from a remote Internet-
26 related server via an Internet communication link based on a Universal Resource Locator
27 (URL) indicated by a handheld device, comprising:

28 a receiver module to receive the URL from the handheld device via a communication
29 link;

30 a web access module to access and retrieve the Internet-related service via the Internet
31 communication link based on the URL;

32 a render module to render the retrieved Internet-related service, wherein the receiver
33 module, the web access module, and the render module are all physically separated from the
34 handheld device.

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2 14. (Amended) The system of claim 13, wherein the render module further comprises at
3 least one render system selected from a group of systems consisting of: a printer system, a
4 display system, an information appliance, a projection display system, a user interface display
5 system, an audio/video player system, a Web television system, and a combination thereof.
6

7 15. (Amended) The system of claim 13, wherein the web access module communicates
8 with the remote Internet-related server via the Internet communication link using an open
9 standard communication protocol.
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11 16. (Unchanged) The system of claim 15, wherein the open standard communication
12 protocol is a Hyper Text Transport Protocol (HTTP).
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14 17. (Unchanged) The system of claim 13, wherein the communication link is a wireless
15 communication link.
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17 18. (Amended) The system of claim 17, wherein the wireless communication link is
18 selected from a group of communication links consisting of: an infra-red communication link,
19 a radio frequency communication link, a microwave communication link, a laser
20 communication link, and combinations thereof.
21

22 19. (New) The system of Claim 1, wherein the web access module comprises a web
23 browser without a rendering function.
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25 20. (New) The system of Claim 1, wherein the rendering system is a device-specific
26 rendering system.
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28 21. (New) The system of Claim 1, wherein the handheld device is a watch.
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30 22. (New) The system of Claim 1, wherein the handheld device is a pager.
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32 23. (New) The system of Claim 1, wherein said client module is does not have Internet
33 access function and does not include an Internet web browser application program or provide
34 any direct connectivity to the Internet.

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2 24. (New) The system of Claim 1, wherein said client module has Internet access function
3 and includes an Internet web browser, but neither the Internet access function nor the Internet
4 web browser are utilized to send the URL via the local communication link.

5
6 25. (New) The system of Claim 1, wherein only said URL is communicated, and said
7 URL is communicated by sending only a few bytes of data.

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9 26. (New) The system of Claim 1, wherein the URL is in the actual URL form or
10 embedded in a hyperlink.

11
12 27. (New) The system of Claim 1, wherein the rendering system includes a printer
13 external to said handheld device or a display screen device external to said handheld device.

14
15 28. (New) The system of Claim 1, wherein the rendering system includes an audio or
16 video player system external to said handheld device.

17
18 29. (New) A mobile system capable of communicating with a gateway module, which
19 comprises a web access module to access and retrieve an Internet-related service from a
20 remote Internet-related server via an Internet communication link based on a Universal
21 Resource Locator (URL); and a render module to render the received Internet-related service,
22 the mobile system comprising:

23 a client module to enable sending the URL via a communication link to the gateway
24 module for use in the access and retrieval of the Internet-related service, wherein the gateway
25 module communicates the retrieved Internet-related service with the rendering module, which
26 renders of the retrieved Internet-related service in proximity to the mobile system.

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28 30. (New) The system of claim 29, further comprising a memory coupled with the mobile
29 system to store at least one URL, wherein the URL sent is selected from the at least one URL.

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31 31. (New) The system of claim 30, further comprising a communication module to
32 receive the URL from the gateway module.

1 32. (New) A gateway system capable of receiving a communication including Universal
2 Resource Locator (URL) via a communication link from a mobile system, said gateway
3 system comprising:

4 a communication module to receive the communication from the mobile system;

5 a web access module to access and retrieve an Internet-related service from a remote
6 Internet-related server via an Internet communication link based on the URL; and

7 a render module to receive the retrieved Internet-related service from the web access
8 module and to render at least a subset of the retrieved Internet-related service in proximity to
9 the mobile system.

10
11 33. (New) The system of claim 32, further comprising a second communication module
12 to send a second URL to the mobile system.

13
14 34. (New) The system of claim 33, wherein each module of the gateway system
15 physically resides within at least one enclosure separate from the mobile system.

16
17 35. (New) A system for providing Internet-related services in response to a handheld
18 device without requiring the handheld device to itself be Internet-enabled, comprising:

19 a receiver that receives a Universal Resource Locator (URL) sent from the handheld
20 device via a local communication link, wherein the URL indicates a desired Internet web
21 page;

22 a web access module coupled to the receiver and to an external Internet via an Internet
23 communication link different from said local communication link to access and retrieve the
24 desired web page from a remote web server via the external Internet; and

25 a render system coupled to the web access module to render the retrieved web page to
26 the user of the handheld device, wherein the receiver, the web access module, and the render
27 system all physically reside within the system while the handheld device is physically
28 separated from the system, and

29 wherein the render system further comprises at least one of: a printer system, a
30 projection display system, an audio/video player system, and a Web television system.